WEAR CHECK
Condition Monitoring Specialists
THE MONITOR
ISSUE 97

WEARCHECK EARNS DGA ISO/IEC 17025 ACCREDITATION

WearCheck is now accredited to perform DGA, or Dissolved Gas Analysis, for transformers, following a recent assessment by SANAS (South African National Accreditation System).

Our Johannesburg transformer oil testing laboratory now has ISO/IEC 17025 accreditation for testing DGA, moisture, acidity, dielectric strength, and PCBs (polychlorinated biphenyls).

Gert Nel, transformer division manager

Gert Nel, WearCheck's transformer division manager, outlines the importance of DGA in transformer maintenance: 'Dissolved Gas Analysis is used mostly for fault detection in transformers, and it is critically important that the analysis is accurate. By analysing the gases dissolved in the transformer's oil, we gain important clues about the health of the transformer.

'WearCheck is pioneering the way in transformer maintenance in Southern Africa, and this SANAS accreditation is a powerful attribute for our laboratories.'

Transformers help to transfer electricity over long distances, often playing key roles in the infrastructure of a region and ensuring power supply to cities, industrial plants and other critical users. Therefore, early detection of faults and potential failures is very important.

DGA saves transformer operators time and money on avoidable repairs, and helps avoid greater problems such as interrupted power supply. It also helps prolong the life of the transformer.

Gert explains the process, 'Small amounts of gases are formed in the oil when a transformer is in operation. Using DGA, hidden problems inside the transformer are revealed by detecting the gases in the oil.

'Some of the common transformer problems and the associated gases include oil overheating (ethane and ethylene), insulation paper overheating (carbon monoxide, carbon dioxide, and acetic acid), air ingress (oxygen and nitrogen), and partial discharge (hydrogen and carbon monoxide), sparking and arcing type of faults (methane and acetylene).

'The early detection of potential transformer faults enables remedial action to be implemented, and major failures averted,' he said.

WearCheck transformer technicians Kefilwe Ntshabele (SANAS nominated representative and Technical Signatory) and Tumelo Seobi (laboratory supervisor and SANAS Technical Signatory) are pictured with the company's SANAS certiicate for Dissolved Gas Analysis (DGA)

NEW LABS, GOLF AND AEROBATICS

WearCheck Kathu opens new lab

Kathu, the iron ore capital of the Northern Cape province, is where WearCheck recently opened its newest laboratory.

The company previously operated a "mobile" shipping-container laboratory in the town since 2023, and prior to that, an office where used oil samples could be dropped off and processed elsewhere. There is now a world-class brick and mortar WearCheck laboratory in Kathu, where all the samples are processed, reducing turnaround time for local samples to 24 hours or less.

WearCheck is delighted to invest further in Kathu, a place whose name means "town under the trees", where local industry has given the company a warm welcome and support for more than a decade.

WearCheck Kathu is situated at 16 Kalk St, Industrial Area, Kathu, 8446. They can be contacted via landline: +27 53 004 0361, cell phone: +27 66 474 8628, or email: werner@wearcheck.co.za

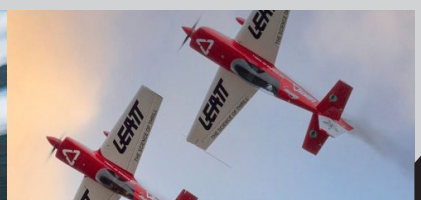
Just plane spectacular!

WearCheck sponsors a formation aerobatic squad - Marksmen Aerobatic Team – for a high-flying project by donating oil samples that were earmarked for disposal, to the pilots, who use it to make white smoke during their airshows.

The Marksmen Aerobatic Team, one of South Africa's most captivating and technically skilled formation-display teams, performs local and international shows. They combine artistry, discipline and flying excellence to create a new standard of aerobatic teamwork.

The adventurous pilots already use WearCheck's aviation oil analysis services to maintain the condition of their aircraft engines, so it was a natural progression to form a partnership.

Look out for WearCheck's logo on the underside of the planes next time you attend an airshow!



From Core Samples to Core Shots

Leon Venstra, technical manager from Strata Mining Services, who played in one of WearCheck's 4-ball teams, finished in 3rd place overall, winning a blue wildebeest. He racked up an impressive 71 IPS (Integrated Performance System) points

Members of the Northern Cape mining community sought a smaller type of subterranean shaft recently, at the 15th annual "Bokke Dag" golf day, hosted by Lime Acres Golf Club.

In a friendly two-day tournament, representatives from WearCheck's sales team, along with suppliers and end-users from many surrounding mines, battled it out on the course.

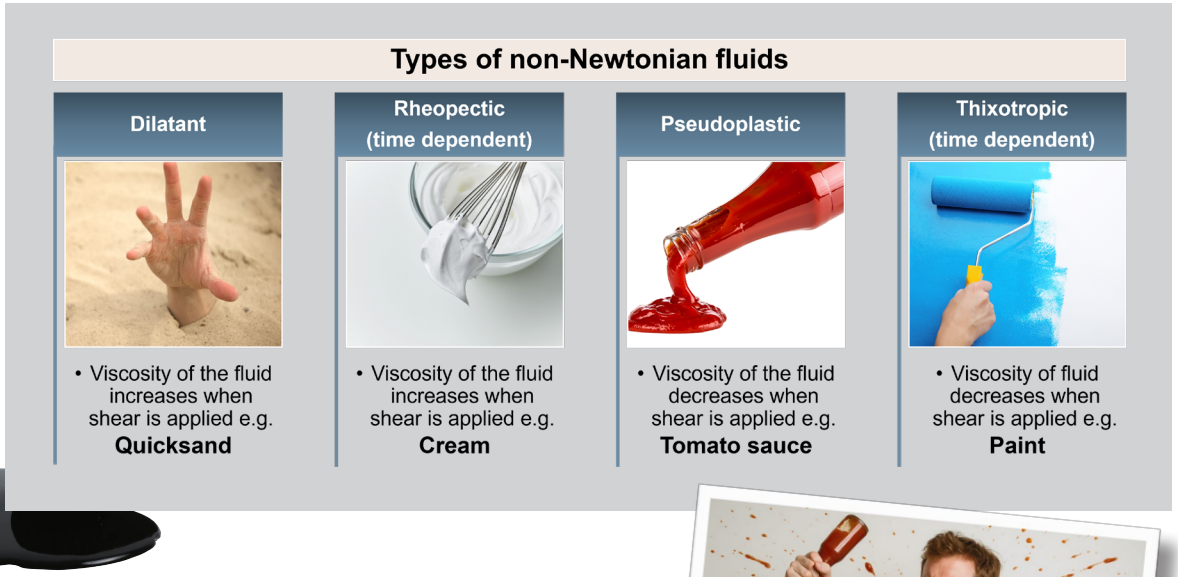
Werner Buys, WearCheck's area sales manager – Cape, had this to say, 'Lime Acres golf course is rated the longest 9-hole course in the country. I'm still convinced that South Africa's wind is harvested right there and distributed across the nation—it certainly makes for some tough and challenging play at times!'

TECHNICAL TIP: EVERY DAY RHEOLOGY

Rheology is a powerful scientific discipline that plays a significant role in our everyday lives, even if we may not always be aware of it. Understanding how fluids flow and deform is essential in the manufacturing process of everything from engine oil to your favourite bottle of tomato sauce.

One of the many ways to characterise the flow of fluids is by classifying them as Newtonian or non-Newtonian. The key difference between Newtonian and non-Newtonian fluids lies in their viscosity behaviour under shear stress: Newtonian fluids (like water and certain lubricating oils) maintain a constant viscosity, while non-Newtonian fluids (like tomato sauce) have a variable viscosity that changes with the applied shear rate.

The behaviour of non-Newtonian fluids is intriguing and can be quite diverse, depending on the type of non-Newtonian fluid. These shape-shifters of the rheological world can display either shear-thinning (become more liquid-like) or shear-thickening (become more solid-like) properties that can also be time dependent.



Figuratively speaking, non-Newtonian fluids go against the flow in that their unusual rheological nature challenges our intuitive understanding of how materials behave.

So, the next time you find yourself trying to whack or swing out the last bit of tomato sauce in the bottle, take solace in the fact that you have just experienced rheology at play in everyday life.

OIL TIP: SELF-GENERATION OF CONTAMINATION IN THE OIL

The Practical Handbook of Machinery Lubrication identifies five reasons for regular oil-drain intervals. Here's number one: Every engine, hydraulic pump, gear set, or other component very slowly wears as it operates, and these tiny, sub-micronic particles of such elements as iron and copper, become catalysts which slowly attack the oil, causing acids to form.

These tiny metal contaminants, combined with carbon soot particles resulting from the combustion process in engines, also circulate in the system and, through their abrasive action, create more wear. These solid particles become just like a fine grinding compound and will slowly scratch and score bearing surfaces, turbocharger bearings, crankshaft journals, cylinder liners, and hydraulic pump and valve surfaces.

Normal full-flow filters are generally rated at about 10 micrometres and 40 micrometres in hydraulic systems and engines respectively, and will not remove these sub-micronic particles. Furthermore, if these filters become plugged, or if the by-pass valves within them remain open for long periods of time, such as at cold start-up, contaminated oil will be pumped throughout the system. It is important to remember that if the levels of self-generated contamination are allowed to increase until some damage by abrasion is caused, it will be too late to prevent more ongoing damage, even if the dirty oil is drained.

WORLD OF WATER: ADVANCED LEGIONELLA TESTING SAFEGUARDS WATER QUALITY

WearCheck Water has expanded its expertise in water analysis with the introduction of Legionella pneumophila detection and enumeration. This positions the company at the forefront of water and surface safety monitoring, ensuring businesses, industries, and public institutions can proactively manage legionella contamination risks.

Understanding Legionella: a hidden danger

Legionella bacteria, particularly Legionella pneumophila, are known to cause Legionnaires' disease, a severe form of pneumonia. The bacteria thrive in warm water systems, such as cooling towers, industrial water tanks, air conditioning systems, and plumbing networks. Inhalation of contaminated water droplets—often dispersed through mist or vapour—can lead to respiratory infections, posing serious health risks.

The disease primarily affects individuals with weakened immune systems, the elderly, and those with underlying lung conditions. In severe cases, pneumonia can result in hospitalisation or fatal complications, making stringent testing and monitoring essential in mitigating public health risks.

Sources of Legionella contamination

Legionella bacteria can develop and spread in stagnant water systems, especially when conditions allow bacterial growth between 20°C and 45°C. Factors that contribute to contamination include:

- Poor water circulation and stagnant water, allowing bacteria to multiply in biofilms.
- Sediment and organic matter accumulation, providing nutrients for bacterial growth.
- Inadequate temperature control, encouraging optimal conditions for Legionella proliferation.
- Aerosol dispersion through showers, cooling systems, air conditioning, ventilation, pools, spas, irrigation systems and fountains, increasing the likelihood of human exposure.

Without regular scientific analysis, Legionella outbreaks can occur unnoticed, posing major health and legal liabilities for facility managers, healthcare institutions, and businesses.

WearCheck's scientific approach to Legionella testing

Recognising the growing need for comprehensive water monitoring, WearCheck Water has established cutting-edge laboratory testing tailored to identifying and assessing Legionella pneumophila contamination in various water systems.

WearCheck Water's laboratories:

- Analyse water samples to detect the presence and concentration of Legionella pneumophila bacteria.
- Provide information for risk assessments based on bacterial levels and environmental conditions as per SANS 893 (South African National Standards).
- Recommend corrective measures, including disinfection protocols and water-system maintenance strategies.
- Ensure compliance with regulatory standards for water safety and public health protection based on the Occupational Health and Safety Act (OHS Act), No. 85 of 1993 and HBA Regulations (R1390 of 2001).

WearCheck Water's testing services cater to industrial sectors, healthcare facilities, hospitality businesses, and public institutions, offering tailored solutions that ensure water safety and reduce potential outbreaks.

Neutralising Legionella contamination

Preventative action is key to controlling legionella risks. WearCheck Water advocates proactive measures, including:

1. Regular water-system maintenance, ensuring pipes, tanks, and cooling towers remain clean and free from biofilms.
2. Temperature regulation, keeping hot water above 60°C and cold water below 20°C to discourage bacterial growth.
3. Chemical treatments, such as chlorination and biocide applications, to eliminate bacteriological colonies.
4. Routine laboratory testing, ensuring early detection and intervention before outbreak escalates.

WearCheck Water: setting the standard in water safety

With decades of expertise in condition monitoring, WearCheck has established itself as a trusted leader in condition monitoring and the scientific analysis of used oil and other fluids, with extended services which include water safety and quality assurance.
Through scientific Legionella testing, WearCheck Water offers peace of mind to industries and businesses, providing reliable, accredited testing that ensures compliance with health and safety standards.

HIGH-SPEED WATER-SAMPLE RESULTS WITH NEW TECHNOLOGY

WearCheck Water recently invested in cutting-edge laboratory equipment, with the addition of an Agilent 5800 ICP-OES (inductively coupled plasma - optical emission spectrometer) to the Johannesburg laboratory.

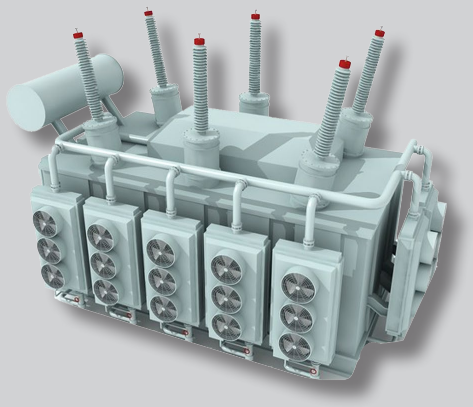
Michelle Wium, WearCheck laboratories manager, is proud of the enhanced capability that the new instrument offers to the company's water-sample-processing technicians. 'The Agilent 5800 ICP-OES gives us deep insight into water samples, using an ecosystem of embedded sensors, algorithms and diagnostics that can help identify issues before they arise.

'This advanced instrument allows us to detect trace elements with exceptional precision and reliability—ensuring continued and improved results for our clients. With smart diagnostics, rapid analysis, and reduced downtime, it's a game-changer for our analytical capabilities.

'The investment into this equipment reinforces our commitment to scientific excellence and to continually raising the bar in water-quality testing.'

WearCheck Water analyst Sara Letsoalo operates the new Agilent 5800 ICP-OES in the Johannesburg water-testing laboratory

TOP TRANSFORMER TIPS



Taking a transformer oil sample correctly is critical to ensuring the accuracy of the laboratory results. Listed below are some of the items that must be taken into consideration. Additional requirements will be discussed in the next issue of *Monitor*.

1. Sampling Method:

- Representative sampling: ensure that the sample taken is representative of the bulk oil. This avoids misleading results due to localised variations.
- Sample handling: avoid contamination during sampling and ensure that the container used is clean and free of all substances and particles. We recommend using a brand-new tin for each sample.

2. Temperature:

- Test temperature: during the operation of the transformer, dissolved water migrates between the oil and the cellulose. The international standards list the calculations to standardise the dissolved water content as 20 °C.
- Sample temperature: it is vital to record he transformer oil temperature at the time of sampling, for evaluation when the transformer oil sample is analysed. Transformer oil samples in transit from sampling to testing should not be exposed to extreme temperature fluctuations.

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3. Equipment Calibration:

- Calibration of test equipment: instruments like Karl Fischer titrators should be calibrated and serviced regularly to ensure accurate readings.
- Verification with certified reference standards: use certified reference materials to verify that the equipment is functioning correctly and/or to standardise equipment.

4. Test Method:

- Selection of test method: make use of selected test methods that are internationally accepted and conform to the customer's requirements.
- Consistency in method: consistently use the same method and preferably, use the same laboratory, to compare results over time or between samples.

MAKING HEADWAY

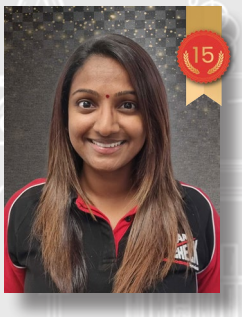
LONG SERVICE VALUED

At WearCheck, long-term dedication from our team is something we deeply appreciate. Human Resources Manager Michelle Padayachee highlighted the significance of employee commitment while recognising staff members who recently reached major service milestones.

'Seeing so many colleagues choose to grow their careers with WearCheck is both inspiring and a real asset to the business and our customers,' she said. 'At this time, we proudly honour Gloria Ncama for an incredible 20 years with us, and several others who have reached their 15-year milestones. The ongoing loyalty of all our long-serving team members continues to strengthen our company culture.'

Gloria Ncama
sample room assistant

Scott Sowman
financial director



Ashleen James
oil lab assistant

Rivendren Moodley
diagnostician

We welcome the latest group of staff to add their expertise to the WearCheck family and wish you all a fulfilling career with our company.

Welcome All!

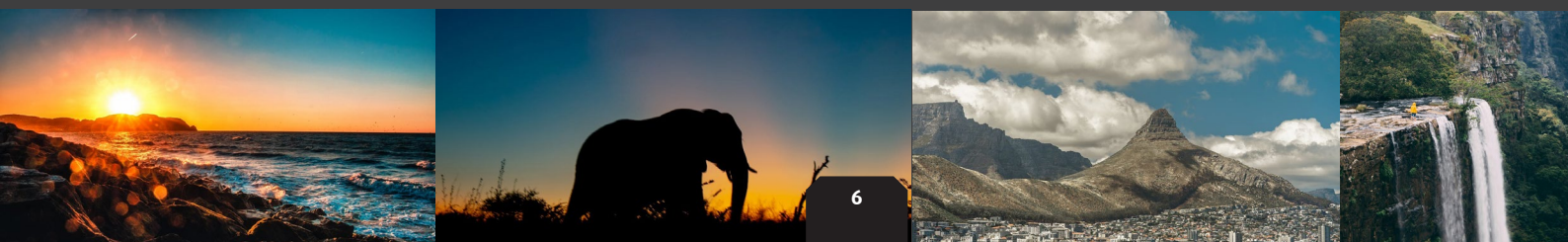
The new members include BB Davids (lab administrator), M Maqetuka (laboratory technician), and four new lab assistants – MK Ramogayana, S Mani, D Makgwe and M Tau.

Win! Win! Win at WearCheck!

You speak; we listen! At WearCheck, your opinion really matters. We're dedicated to enhancing our services, and our annual customer survey is a vital part of that mission. We invite you to share your thoughts on where we excel, and where we can do better. Your feedback not only guides our improvements but also supports our ISO compliance efforts.

As a token of our appreciation, one lucky respondent will win a travel voucher to the value of R6,000, which can be used for travel and accommodation anywhere in South Africa. The prize will be managed by Corporate Traveller. The survey closes 31 August 2025.
(Note, the prize is not exchangeable for cash, and any shortfall will be for the winner's own account.)

Please click here to complete the online survey, which takes less than two minutes: WearCheck Customer Survey 2025.



PRODUCT PICK: Lubrigard's low-pressure vessel solutions

Smart, safe, and streamlined

WearCheck's Lubrigard division is built on the LER philosophy (Lubricant-Enabled Reliability), and features a targeted range of products and services designed to keep lubricants clean, dry, and effective, for longer. This reduces the need for frequent oil changes, saves costs and lowers the environmental impact of waste-oil disposal.

Lubrigard's Integrated Fluid Management Solutions are built for performance, precision and peace of mind with regards to efficiency and reliability of industrial systems. One of the products in the range is Lubrigard's low-pressure, stainless steel bulk-facility vessel, which offers a reliable and rugged solution for the filtration and containment of diesel and lubricants in demanding industrial environments. Engineered for mining and remote operations, these vessels provide operational safety, easy maintenance, and long-term durability - backed by smart fluid monitoring.

They are manufactured from high-grade 304 stainless steel and rated up to 10 bar operating pressure, and are fitted with a variety of filtration configurations, including pleated particle filters, coalescing elements, and bag filters. These enable high-efficiency removal of particulate matter and water contamination, protecting critical equipment and extending lubricant life.

An added component of Lubrigard is iGard, an IoT based system, which integrates sensory technology, historical oil analysis trends and real-time data – offering both on-site and remote monitoring . The low-pressure vessels are integrated with the iGard smart monitoring system. This means we have the capability to measure the ISO cleanliness levels of diesel and lubricants at every critical transfer point, from road-going fuel tankers, to open-pit mining bowsers, and fixed installations such as mine fuel and lube-reception facilities, right through to service bays (commonly referred to as the point of fill). This allows us to GEO map, track fuel cleanliness and optimise filtration maintenance along the entire supply chain: from highway delivery, into mine storage, through mobile distribution, and finally into the asset itself.

Why does this matter? Because every step in that chain presents a risk of contamination, which can compromise equipment efficiency, increase emissions, and undermine ESG objectives. Our system not only detects and trends these changes in cleanliness but also forms part of an auditable Scope 1 diesel emissions strategy linked to a measurable L12 incentive benefits.

With multiple element options, including glass-fibre pleated media and water-separating coalescers, Lubrigard's vessel systems ensure compliant, clean fluids—whether on-site or deep in the field. See the product offering here: pressure vessel data sheet.

For site-specific designs or pressure certification documentation, contact Lubrigard on sales@lubrigard.co.za, call +27 11 392 6322 or for more info, please visit www.lubrigard.co.za.

OUT AND ABOUT

Online, in person, local, international, at the office, on the golf course – our hardworking WearCheck staff members are conducting training courses and meeting with customers, colleagues and stakeholders – all on multiple types of platforms. Some of their recent interactions include these:

Technical Expert

Steven Lumley, technical manager for WearCheck, was recently invited by Kenya-based industry publication, Lubezine, to participate in a webinar entitled Asset Maintenance through Lubricant Condition Monitoring. The panellists were Steven and Dr. James Wakiru, editor-in-chief for *Lubezine* magazine, with delegates from around Africa.

Mining Expo Namibia

The WearCheck team welcomed delegates to the company's stand at the Chamber of Mines of Namibia Mining Expo in Windhoek in August. They showcased all our core capabilities in oil, fuel and water analysis, including asset reliability through vibration, thermography and more.

Welcoming delegates to the WearCheck stand at the Chamber of Mines of Namibia Mining Expo in Windhoek are Johann Reiners from Middelburg Mpumalanga (left), and Werner Buys, area sales manager, from Kathu

Enlit 2025

In Cape Town earlier this year, WearCheck showcased a multitude of analysis techniques at the 2025 Enlit Africa – the power, energy and water expo.

Some of the company's technicians were on hand to demonstrate the state-of-the-art technology and various testing protocols, which are applied in WearCheck's world-class laboratories across Africa. The team's core message was this: if you want a happy transformer you need to ensure your transformer oil stays healthy.

Daan Burger (WearCheck diagnostic consultant) (left) and Pierre le Roux, (WearCheck's transformer oil laboratories manager) discuss condition monitoring with delegates at the 2025 Enlit Africa expo

International WearCheck Group (IWCG)

Each year, the International WearCheck Group (IWCG) gathers in a different member country to explore emerging technologies, discuss advancements in condition monitoring, and share global industry insights. The 2025 conference was hosted in Argentina, where representatives from more than 10 countries came together to strengthen the vital international network that supports our global operations.

The journey of a gift - from Mpumalanga to KZN

Deep in the heart of rural Mpumalanga, in the town of Witbank, lies the Home of Better Hope Foundation, lovingly run by Mr Mthethwa. Here, the elderly, orphans, and people with disabilities are cared for with compassion. Alongside daily meals, residents are taught valuable skills such as crafting and sewing – tools to help them build brighter futures.

In August 2024, thanks to one of our staff members, Chicco Tivane, we learned of the foundation's needs and wanted to lend a helping hand. As the organisation's mission is to upskill those in need, we commissioned them to create 45 blankets in our corporate colours. We purchased the wool and tools, and transported them from Pretoria to Witbank. Over the next few months, the Gogos gathered around the fire, their hands skilfully crocheting each 'one of a kind' blanket with care. Under our We Care initiative, we then purchased the blankets back – ready to bless another organisation the following winter.

Claribel Mvuyana (left), a cleaner at WearCheck who volunteers at the home on Sundays, wraps Gogo Hlengwa (Issy Geshen resident) in a cozy blanket. Looking on is Issy Geshen general manager, Sifiso Ngidi (right)

ISSY GESHEN
Lamont Home for the Aged

In June 2025, the Issy Geshen Lamont Home for the Aged in KZN, recommended by staff member Claribel Mvuyana, became the perfect recipient. Their General Manager, Sifiso Ngidi, was thrilled to learn the number of blankets exactly matched the number of grannies in their care. On 24 June 2025, our WearCheck team visited the home, meeting the residents and personally handing over the blankets – just as winter began to bite. The joy and gratitude on their faces was truly humbling.

Knowing that these hand-crafted blankets had journeyed from one old-age home in Mpumalanga to bring warmth to another in KZN was the perfect ending to this story of giving.

Mama Zulu (left) and Gogo Doris wear their blankets at the handover ceremony. With them are the WearCheck team - MD, Neil Robinson, marketing manager Vanessa Evans and cleaner Claribel Mvuyana, who is a volunteer at the Issy Geshen home in her spare time

Lourenzia Peters of Bidvest Laundry in Durban (right) hands over some of the laundered blankets to Nathi Mazibuko of WearCheck prior to the donation

Bidvest
Laundry Group

We are also deeply grateful to our sister company, Bidvest Laundry, who generously laundered the blankets at no cost before delivery – a shining example of the goodwill and partnership that makes a difference.

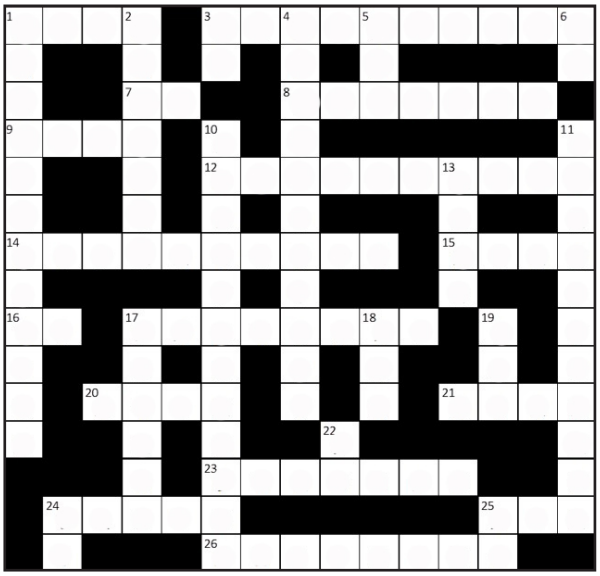
WE CARE

WEARCHECK WORD WHIZZ!

BY RIVENDREN MOODLEY, DIAGNOSTICIAN

Puzzle Power #2

If you found Puzzle Power #1 easy, #2 should be a challenge. You can find the solutions on the WearCheck website under the INFO tab, to see how many you got correct!



Across

1. Central line around which components rotate.
3. Compound that lowers surface tension in lubricants.
7. Element - lightest alkali metal, found predominantly in greases.
8. Type of friction where two surfaces move past each other.
9. Sudden surge in oil-pressure readings.
12. Corrosion inhibitor used to form protective film in transformers.
14. An index of how much a material bends the light passing through it.
15. Describes a fuel mixture which contains excessive air-to-fuel ratio.
16. Element - lightweight, corrosion-resistant metal used to manufacture turbine components .
17. Small solid contaminant detected in oil samples
20. Smallest unit of a chemical element.
21. Mechanical part transmitting rotary motion.
23. A rotary mechanical device that converts energy from a fluid-flow into mechanical work.
24. Controls fluid-flow in a system.
25. Gaseous medium involved in contamination monitoring.
26. Process of purifying crude substances.

Down

1. Addition of excessive amounts Iluminating paraffin in diesel for profit.
2. This element broadly determines the grade of diesel.
3 Semiconductor element commonly found in dust.
4. Electrical property that opposes current flow.
5. Industry standard for classifying petroleum samples.
6. Element found in alloys and ceramics.
10. Instrument measuring light or mass for composition.
11. Electrical device that modifies voltage in equipment.
13. Shaft that links rotating wheels.
17. Fuel type used in vehicles which require s-class oils.
18. A controlled environment where scientific tests and analyses are conducted to assess the properties and quality of lubricating oils, fuels and potable water.
19. Viscosity grading system used in oil testing.
22. Element monitored in bearing-wear analysis.
24 Index assessing viscosity change with temperature.
25. Element found in cooling systems, bearings and coatings.

UPSKILL YOUR WORKFORCE

The value of training

"There is almost no limit to the potential of an organisation that recruits good people, raises them up as leaders and continually develops them." — John Maxwell (American leadership & personal development coach).

WearCheck's customer training courses include oil analysis courses and condition monitoring training for maintenance practitioners operating at various levels within an organisation.

WearCheck has been an accredited training partner for the internationally acclaimed Mobius Institute since 2015, and all the Mobius courses can be run online.

For full training list scan the QR code.

Customer training courses run by WearCheck, and the duration:

Course	Days
Precision Shaft Alignment	2, incl. practical
Precision Balancing	2
Vibration Analysis ISO CAT I	5, incl. exam
Vibration Analysis ISO CAT II	5, incl. exam
Vibration Analysis ISO CAT III	6, incl. exam
Infrared CAT I	5, incl. exam
Oil Analysis 1	2
Oil Analysis 2	1
WearCheck Customised	2
Asset Reliability Practitioner (3 courses)	6 months
InfraFocus	2

Oil Analysis courses 2025

3 DAY ADVANCED	Oil Analysis 1: Understanding oil and its analysis (2 CPD points)	Oil Analysis 2: Report interpretation (1 CPD point)
Location	**Two day workshop**	**One day workshop**
Johannesburg	September 09-10	September 11

2 DAY WORKSHOP	Oil Analysis 1: Understanding oil and its analysis	Oil Analysis 2: Report interpretation
Location	**One day workshop**	**One day workshop**
Nelspruit	November 11	November 12
Richards Bay	October 21	October 22
Rustenburg	October 07	October 08

All the public courses listed in the WearCheck training schedule can be presented at the customer's site of preference in South Africa or abroad. Courses are also offered online.

We have the pleasure of offering customised training content to suit your requirements, your dates and your locaton. Customised training on offer includes sampling of lubricating and transformer oils, lubricant storage and handling, introducton to oils and concise oil analysis for workshop technicians.

For more details on course content and prices, click here: https://www.wearcheck.co.za/training.html.

Free Toolbox Training sessions

We launched a series of free online training courses earlier this year. The sessions include topics such as "How to Take an Accurate Oil Sample" and "How to Complete a Submission Form", and form part of our monthly Toolbox Training programme.

In addition, the WearCheck Online platform is explained by the software support team, including the platform's convenient features and how to navigate through them.

Since these sessions are held on an online platform, course attendees can log in remotely from anywhere.

To register for a free Toolbox Training session, please email toolboxtraining@wearcheck.co.za

MOBIUS TRAINING

Course	CPD points	Date 1	Date 2
Vibration Analysis – CAT I *	4	/	Sep 15-19
Vibration Analysis – CAT II *	5	/	Oct 27-31
Vibration Analysis – CAT III *	5	/	Nov 24-28
Infrared CAT I		/	Dec 01-05
Precision Balancing		Aug 25-26	Dec 08-09
Precision Alignment		Aug 27-28	Dec 10-11

MOBIUS INSTITUTE
BOARD of CERTIFICATION

All the Mobius courses can be attended online or in person at various venues throughout Africa.

For more information or to book a Mobius training course, please contact Louis Peacock on +27 82 494 9461 or louis@wearcheckrs.com.

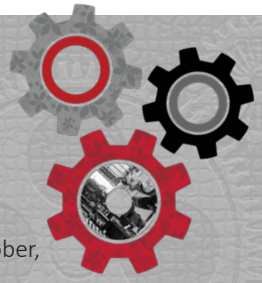
** 6 day course, with the exam written on the following Monday.*

LUBE TIP: watch out for road dust!

Sources of solid contaminants in crankcase oils might include dirt and airborne dust, engine wear debris, rust, fuel soot and manufacturing or rebuild debris.

Road dust particles are typically harder than metallic wear particles and can cause far more abrasive damage and contact fatigue to interior machine surfaces than most other contaminants.

UPCOMING EXPOS 2025



- **NAMPO Cape:** 10 – 13 September, Bredasdorp Park.
- **Windergy India 2025:** 29 – 31 October, Chennai Trade Centre, India

HIGHLIGHT YOUR SUCCESS

If oil analysis has helped prevent a major failure or saved your company money, we would like to feature this in *Monitor*. Our writer will contact you for the details and will write the article for your approval. Simply email marketing@wearcheck.co.za and we will contact you.

TECHNICAL BULLETIN TOPICS?

Is there a particular subject you would like to see featured in a *Technical Bulletin*? Simply email your suggestion to marketing@wearcheck.co.za. Before you do this, why not check out the more than 85 titles already available on the web site: www.wearcheck.co.za

Planet-friendly option

WearCheck no longer prints hard copies of our *Monitor* and *Technical Bulletin* publications. Should you wish to be included on our digital mailing list please scan the QR code or e-mail a subscribe request to: marketing@wearcheck.co.za.

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